

Labor_08

REGULARIZATION

A solid blue horizontal bar spanning the width of the slide, located at the bottom.

Practice

Rewrite code from previous lessons

Test different cases (learning rate, regularisation)

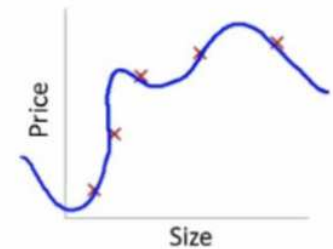
High Bias



Even training error is unacceptably high

Small gap between training and test error

High Variance



Even training error is small

Huge gap between training and test error

Tips

- Try getting more training example – fixes high variance
- Try smaller sets of features – fixes high variance
- Try getting additional features – fixes high bias
- Try additional polynomial features (x^2 , x_1x_2 ...) – fixes high bias
- Try decrease λ – fixes high bias
- Try increase λ – fixes high variance